



King County

INDUSTRIAL MAINTENANCE MECHANIC NATURAL RESOURCES AND PARKS WASTEWATER TREATMENT DIVISION

Hourly Rate Range: \$24.04 – \$27.71 (plus \$1.52 productivity pay)

Job Announcement: 05DE4890

OPEN: 3/21/05 CLOSE: 4/8/05

WHO MAY APPLY: This Career Service opportunity is open to all King County career service employees and the general public. Consideration will be given in that order.

WHERE TO APPLY: To obtain required King County forms, contact the Job Vacancy Information line at (206) 296-5209 or download from <http://www.metrokc.gov/ohrm/jobs/JobApplications.htm>. Submit required forms and a letter of interest describing how you meet the minimum qualifications to **Wastewater Treatment Division-HR, 201 S. Jackson Street, KSC-NR-0511, Seattle, WA 98104.**

Please Note: Complete application material not received at the location specified above may not be processed. Contact Diana Eberly-Shepard (206) 263-3911 for more information.

FORMS AND MATERIALS REQUIRED: Incomplete or missing materials may negatively impact further consideration of your application, please be sure that all of the following are submitted.

- [King County Data and Application form](#)
- Letter of interest
- Resume
- Transcript and/or training records, if applicable

WORK LOCATION: West Point Treatment Plant 1400 Utah Street W., Seattle, WA. (No direct bus is available to this location).

WORK SCHEDULE: The treatment plants are operated 24/7. This position will work a 4 days/10 hours per day schedule. Applicants must be available to work any assigned schedule. This position is overtime eligible.

JOB DESCRIPTION: The responsibilities of this position include repairing, maintaining, overhauling and installing a variety of complex machinery, including pumps, motors, grinders, blowers, compressors, presses, injection systems and hydraulic and pneumatic equipment to ensure optimum operating conditions at the West Point plant.

ESSENTIAL JOB FUNCTIONS:

- Demonstrated knowledge, skill and abilities in performing major repairs to pumps and associated components, motors, gearboxes, hydraulic and pneumatic systems and equipment, compressors and large centrifugal blowers; replace bearings, shafts, and distribution equipment. Salvage equipment for re-use.
- Operate mobile/overhead cranes and forklifts to remove, maintain and install multi-ton industrial machinery using safe rigging techniques.

- Install repair, maintain and design plumbing systems for sewage, water, gases, chemicals, and solids using appropriate materials.
- Design, fabricate and repair plant piping, equipment guards and bases, stairs, support railings, ladders, and building frames using welding equipment, metal inert and tungsten inert gases, arc, cutting, torch, and plasma cutter.
- Install, design, and fabricate a variety of metal fixtures including vents, air ducts, door, louvers, containers, equipment covers, machinery bases, and support members.
- Work in environments containing such hazards as hydrogen sulfide, chlorine, rushing water, low oxygen content atmosphere, explosive methane atmosphere, sodium hypochlorite, caustic soda, bio-hazards, and blood-borne pathogens. Ensure use of proper, legal confined space entry procedures. Make repairs in extreme weather.
- Demonstrated ability to perform skilled machine shop assignments including milling, drilling and using a lathe, radial drill press, band saws, read blueprints, engineering drawings, operations and maintenance manuals, vendor data and input based on prior experience. Ability to perform rim and face alignment or laser alignment.
- Demonstrated ability to perform/use state-of-the-art welding equipment including Metal Inert Gas (MIG), Tungsten Inert Gas (TIG) heli-arc, plasma cutter, oxyacetylene, carbon arc and stick welding in the fabrication of piping system, frames, fixtures, special tools, pump bases and repairs to machine housings, volutes, shafts and impellers.
- Demonstrated ability to work with other assigned maintenance mechanics, maintenance workers, operators and other skilled trades in assigned tasks. Ensure safety procedures and regulations are followed.

MINIMAL REQUIREMENTS:

- Demonstrated skill and ability regarding large industrial maintenance practices
- Essential knowledge of welding, plumbing, and pipefitting methods
- Knowledge of complex pump and motor overhaul
- Knowledge of machine shop practices.
- Knowledge of bearings
- Knowledge of packing and mechanical seals
- Knowledge of the use and care of power and hand tools
- Knowledge of hazardous chemicals in the workplace
- Knowledge of blueprint reading
- Knowledge of mechanical repair technology
- Skill in communications (verbal and written)
- Skill in the operation of mills, lathes and drill press
- Demonstrated ability to troubleshoot equipment i.e. pumps, gear boxes, other rotating compressors, centrifugal blowers etc.

HIGHLY DESIRED QUALIFICATIONS:

- Working in an industrial process or industrial field with pumps and other rotating equipment.
- Completion of an industrial level apprenticeship.

LICENSING/CERTIFICATION:

- Valid Washington State Driver's License or out-of-state equivalent.
- CPR and first aid certification (some positions).

WORKING CONDITIONS: Performs work inside and outside in all kinds of weather at a Wastewater Treatment facility. Perform duties near heavy operating equipment and frequently in the presence of high intensity sound and temperatures, harsh chemicals, and poisonous gases. Climb standing and fixed ladders to enter and work on large tanks and other facilities. Works at heights from ladders or mobile equipment. Enter and work in confined spaces which may involve the use of self-contained breathing apparatus (which may require persons to be clean-shaven around the seal area) and other safety equipment. Ability to lift a minimum of 50 lbs.

SELECTION CRITERIA:

- After the initial screening, the most competitive applicants will be invited to participate in both a working/written test and a panel interview.
- A physical examination will be required, upon a contingent job offer, with the cost covered by King County
- Applicants will be required, upon a conditional job offer, to provide a current 5-year complete abstract of Driving Record from the Department of Licensing.

UNION MEMBERSHIP: Service Employees International Union, Local 925, represents positions in this classification.

CLASS CODE: 842201